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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/825,847	04/16/2004	Dan Candela	18602-08909	8188

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801 CALIFORNIA STREET  
MOUNTAIN VIEW, CA 94041

EXAMINER
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RASHIDIAN, MOHAMMAD M

ART UNIT	PAPER NUMBER
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2609

MAIL DATE	DELIVERY MODE
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09/18/2007

PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

<b>Office Action Summary</b>	Application No. 10/825,847	Applicant(s) CANDELA ET AL.	
	Examiner Mehdi Rashidian	Art Unit 2609	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☐ Responsive to communication(s) filed on \_\_\_\_.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☐ Claim(s) \_\_\_\_ is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-4 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 16 April 2004 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |   |  |
|---|--|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)                               | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. ____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                      | 5) <input type="checkbox"/> Notice of Informal Patent Application                      |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)<br>Paper No(s)/Mail Date ____ | 6) <input type="checkbox"/> Other: ____  |

## DETAILED ACTION

### ***Claim Rejections - 35 USC § 102***

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States

**Claims 1-4** are rejected under 35 U.S.C. 102(b) as being anticipated by Sayre (US Patent 5,175,808) henceforth referred to as Sayre.

Regarding **Claim 1**, Sayre teaches method for image warping for determining a domain Of definition (DOD) in a warped image, the warped image formed from an original image, each pixel of the warped image having a displacement from a corresponding pixel in the original image, (figs. 1(A) and 1(B), abstract, column 4, lines 26-29, displacement tables corresponding to DOD, image transformation corresponding to warped image, pixel displacement with linear transformation converts the original image to warped Image).

- the original image restricted by a border, the method comprising: for each of a plurality of directions: (column 5, lines 38-52, moved to the left, right, up, or down...., pixel may disappear ... hidden behind the fold..., each pixel is treated in one of plural number of ways or combinations.... a pixel may be displaced ),

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- determining a maximum displacement in the direction by a pixel in the warped image, (column 5, lines 37-51, pixel... may be so compressed with so many neighboring pixels,),
- determining a new DOD for the warped image, the new DOD for the warped image corresponding to a DOD in the original image and displaced in each of the plurality of directions by the determined maximum displacement (figs. 5A and 5C, column 5, lines 35-51, column 6, lines 34-57, the accumulation function accumulates the value of the plurality of pixels to be mapped to single destination pixel.....).

Regarding **Claim 2**, the method of **claim 1** wherein the plurality of directions include up, down, left and right, (column 5, lines 38-43 a pixel may be displaced, i.e., moved to the left, right, up or down...).

Regarding **Claim 3**, Sayre teaches method for image warping, a method for determining a domain of definition (DOD) in a warped image, the warped image formed from an original image, each pixel of the warped image having a displacement from a corresponding pixel in the original image, (Figs. 1(A) and 1(B), abstract, column 4, lines 26-37, displacement tables corresponding to DOD, image transformation corresponding to warped image, pixel displacement with linear transformation converts the original image to warped Image).

- the original image unrestricted by a border, the method comprising:  
determining an original DOD associated with the original image; for each pixel located along the original DOD, determining a location of a corresponding pixel in the warped image, (column 5, lines 38-57, a pixel in the source image may be enlarged; i.e. it may be mapped to a number of pixels in the destination image, column 6, lines 34-39, when a number of pixels are to be mapped onto larger number of pixels....., each pixel is treated in one of plural number of ways or combinations.... a pixel may be displaced ),
- determining a displacement of the pixel in the warped image from its corresponding pixel in the original image; for each of a plurality of directions, determining a maximal displacement value of a pixel in that direction; (column 5, lines 38-57, moved to the left, right, up, or down....., pixel may disappear),
- determining a new DOD for the warped image, the new DOD for the warped image corresponding to a DOD in the original image and displaced in each of the plurality of directions by the determined maximal displacement value, (figs. 5A and 5C, column 5, lines 38-51, column 6, lines 34-57, the accumulation function accumulates the value of the plurality of pixels to be mapped to single destination pixel.....).

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Regarding **Claim 4**, the method of **claim 3**, wherein the plurality of directions include up, down, left and right, (column 5, lines 38-43, a pixel may be displaced, i.e., moved to the left, right, up or down...).

### ***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Mehdi Rashidian whose telephone number is (571) 272-9763. The examiner can normally be reached on Mon-Thurs 7:30AM to 6:00PM, ET.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Brian Pendleton can be reached on (571) 272-7527. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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BRIAN TYRONE PENDLETON  
SUPERVISORY PATENT EXAMINER

MMR